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(71) Applicant: OVAL CORP
(72) Inventor: HOTTA KOJI

(54) INTERNAL TOOTH GEAR PUMP

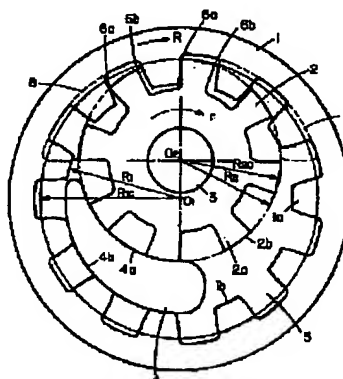
theoretically free from abrasion.

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(57) Abstract:

PURPOSE: To keep a tooth form theoretically free from abrasion, and ensure long-term stable operation, even when a small volume of liquid having a wide range of viscosity is forcibly fed under high pressure.

CONSTITUTION: A rotatably supported driven external tooth gear 2 is made to have whole addendum tooth forms 2a, and the tooth forms 1a of an internal tooth drive gear 1 are kept in contact with the tooth forms 2a at projection points 6a only at one side for the reduction of torque acting on the gear 2 due to liquid pressure to zero, thereby keeping a tooth form



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